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RAW SEQUENCE LISTING              DATE: 09/18/2001
PATENT APPLICATION:  US/09/845,721    TIME: 10:12:48

      Input Set : A:\Methodsseq.txt
      Output Set: N:\CRF3\09182001\I845721.raw
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       3  <110>  APPLICANT: Brennand, John
       4          Hart, Kevin
       6  <120>  TITLE OF INVENTION: Methods
       8  <130>  FILE REFERENCE: 1991-196
      10  <140>  CURRENT APPLICATION NUMBER: US 09/845,721
C-->  11  <141>  CURRENT FILING DATE: 2001-08-30
      13  <150>  PRIOR APPLICATION NUMBER: US 60/201,418
      14  <151>  PRIOR FILING DATE: 2000-05-03
      16  <160>  NUMBER OF SEQ ID NOS: 2
      18  <170>  SOFTWARE: PatentIn version 3.0
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      22  <212>  TYPE: DNA
      23  <213>  ORGANISM: Homo sapiens
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      30  aattgaaaga ttttttttc ttacaaagaa cacgttatac gtcatttaaa ttgccaaata     180
      32  tcaaatagtt tattctattt cactttctag ggaaaaaaac caactgctcc aaaagaatgt     240
      34  gttttctcc cattctggaa atcaacatgc agtctgaatc taacattaca gtgcgagatg     300
      36  acattgatga catcaacacc aatatgtacc aaccactatc atatccgtta agctttcaag     360
      38  tgtctctcac cggatttctt atgttagaaa ttgtgttggg acttggcagc aacctcactg     420
      40  tattggtact ttactgcatg aaatccaact taatcaactc tgtcagtaac attattacaa     480
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      44  tccttctgct ttcactggag agtaacactg ctctcatttg ctgtttccat gaggcttgtg     600
      46  tatcttttgc aagtgtctca acagcaatca acgttttttgc tatcactttg gacagatatg     660
      48  acatctctgt aaaacctgca aaccgaattc tgacaatggg cagagctgta atgttaatga     720
      50  tatccatttg gatttttttct tttttctctt tcctgattcc ttttattgag gtaaattttt     780
      52  tcagtcttca aagtggaaat acctgggaaa acaagacact tttatgtgtc agtacaaatg     840
      54  aatactacac tgaactggga atgtattatc acctgttagt acagatccca atattctttt     900
      56  tcactgttgt agtaatgtta atcacataca ccaaaatact tcaggctctt aatattcgaa     960
      58  taggcacaag attttcaaca gggcagaaga agaaagcaag aaagaaaaag acaatttctc    1020
      60  taaccacaca acatgaggct acagacatgt cacaaagcag tggtgggaga aatgtagtct    1080
      62  ttggtgtaag aacttcagtt tctgtaataa ttgccctccg gcgagctgtg aaacgacacc    1140
      64  gtgaacgacg agaaagacaa aagagagtct tcaggatgtc tttattgatt atttctacat    1200
      66  ttcttctctg ctggacacca atttctgttt taaataccac cattttatgt ttaggcccaa    1260
      68  gtgacctttt agtaaaatta agattgtgtt ttttagtcat ggcttatgga acaactatat    1320
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      72  tgaaaaagcg agttgtttct atagtagaag ctgatcccct gcctaataat gctgtaatac    1440
      74  acaactcttg gatagatccc aaaagaaaca aaaaaattac ctttgaagat agtgaaataa    1500
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      88  aaaaaaaaaa aaaaaaaaaa a                                               1881
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92 <211> LENGTH: 433
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
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102             20                  25                  30
104 Pro Leu Ser Tyr Pro Leu Ser Phe Gln Val Ser Leu Thr Gly Phe Leu
105         35                  40                  45
107 Met Leu Glu Ile Val Leu Gly Leu Gly Ser Asn Leu Thr Val Leu Val
108     50                  55                  60
110 Leu Tyr Cys Met Lys Ser Asn Leu Ile Asn Ser Val Ser Asn Ile Ile
111 65                  70                  75                  80
113 Thr Met Asn Leu His Val Leu Asp Val Ile Ile Cys Val Gly Cys Ile
114             85                  90                  95
116 Pro Leu Thr Ile Val Ile Leu Leu Leu Ser Leu Glu Ser Asn Thr Ala
117             100                 105                 110
119 Leu Ile Cys Cys Phe His Glu Ala Cys Val Ser Phe Ala Ser Val Ser
120         115                 120                 125
122 Thr Ala Ile Asn Val Phe Ala Ile Thr Leu Asp Arg Tyr Asp Ile Ser
123     130                 135                 140
125 Val Lys Pro Ala Asn Arg Ile Leu Thr Met Gly Arg Ala Val Met Leu
126 145             150                 155                 160
128 Met Ile Ser Ile Trp Ile Phe Ser Phe Phe Ser Phe Leu Ile Pro Phe
129             165                 170                 175
131 Ile Glu Val Asn Phe Phe Ser Leu Gln Ser Gly Asn Thr Trp Glu Asn
132             180                 185                 190
134 Lys Thr Leu Leu Cys Val Ser Thr Asn Glu Tyr Tyr Thr Glu Leu Gly
135         195                 200                 205
137 Met Tyr Tyr His Leu Leu Val Gln Ile Pro Ile Phe Phe Phe Thr Val
138     210                 215                 220
140 Val Val Met Leu Ile Thr Tyr Thr Lys Ile Leu Gln Ala Leu Asn Ile
141 225             230                 235                 240
143 Arg Ile Gly Thr Arg Phe Ser Thr Gly Gln Lys Lys Lys Ala Arg Lys
144             245                 250                 255
146 Lys Lys Thr Ile Ser Leu Thr Thr Gln His Glu Ala Thr Asp Met Ser
147         260                 265                 270
149 Gln Ser Ser Gly Gly Arg Asn Val Val Phe Gly Val Arg Thr Ser Val
150         275                 280                 285
152 Ser Val Ile Ile Ala Leu Arg Arg Ala Val Lys Arg His Arg Glu Arg
153     290                 295                 300
155 Arg Glu Arg Gln Lys Arg Val Phe Arg Met Ser Leu Leu Ile Ile Ser
156 305             310                 315                 320
158 Thr Phe Leu Leu Cys Trp Thr Pro Ile Ser Val Leu Asn Thr Thr Ile
159             325                 330                 335
161 Leu Cys Leu Gly Pro Ser Asp Leu Leu Val Lys Leu Arg Leu Cys Phe
162         340                 345                 350
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164 Leu Val Met Ala Tyr Gly Thr Thr Ile Phe His Pro Leu Leu Tyr Ala
165         355             360             365
167 Phe Thr Arg Gln Lys Phe Gln Lys Val Leu Lys Ser Lys Met Lys Lys
168     370             375             380
170 Arg Val Val Ser Ile Val Glu Ala Asp Pro Leu Pro Asn Asn Ala Val
171 385             390             395             400
173 Ile His Asn Ser Trp Ile Asp Pro Lys Arg Asn Lys Lys Ile Thr Phe
174             405             410             415
176 Glu Asp Ser Glu Ile Arg Glu Lys Arg Leu Val Pro Gln Val Val Thr
177         420             425             430
179 Asp
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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date